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SEQUENCE LISTING

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(1) GENERAL INFORMATION

(i) APPLICANT: Amstutz, Gary A.

Bowersox, Stephen S.

Gohil, Kishorchandra

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Adriaenssens, Peter I.

Kristipati, Ramasharma

(ii) TITLE OF THE INVENTION: METHODS AND

FORMULATIONS FOR PREVENTING PROGRESSION OF NEUROPATHIC PAIN

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(iii) NUMBER OF SEQUENCES: 36

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Dehlinger & Associates

20

(B) STREET: 350 Cambridge Avenue, Suite 250

(C) CITY: Palo Alto

(D) STATE: CA

(E) COUNTRY: US

(F) ZIP: 94306-1546

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(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette

(B) COMPUTER: IBM Compatible

(C) OPERATING SYSTEM: DOS

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(D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:

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(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Stratford, Carol A

(B) REGISTRATION NUMBER: 34,444

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(C) REFERENCE/DOCKET NUMBER: 5865-0009.31

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 650-324-0880

62

(B) TELEFAX: 650-324-0960

## (2) INFORMATION FOR SEQ ID NO:1:

5

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

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(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: MVIIA/SNX-111, FIGURE 1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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Cys Lys Gly Lys Gly Ala Lys Cys Ser Arg Leu Met Tyr Asp Cys Cys  
1 5 10 15

Thr Gly Ser Cys Arg Ser Gly Lys Cys  
25 20 25

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## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

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(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

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(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: MVIIB/SNX-159, FIGURE 1

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Cys Lys Gly Lys Gly Ala Ser Cys His Arg Thr Ser Tyr Asp Cys Cys  
1 5 10 15

Thr Gly Ser Cys Asn Arg Gly Lys Cys  
20 25

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: GVIA/SNX-124, FIGURE 1

(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 4

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 10

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 21

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Cys Lys Ser Xaa Gly Ser Ser Cys Ser Xaa Thr Ser Tyr Asn Cys Cys  
1 5 10 15

Arg Ser Cys Asn Xaa Tyr Thr Lys Arg Cys Tyr  
20 25

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: GVIIA/SNX-178, FIGURE 1

(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 4

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 7

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Cys Lys Ser Xaa Gly Thr Xaa Cys Ser Arg Gly Met Arg Asp Cys Cys  
1 5 10 15

Thr Ser Cys Leu Leu Tyr Ser Asn Lys Cys Arg Arg Tyr  
20 25

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## (2) INFORMATION FOR SEQ ID NO:5:

## (i) SEQUENCE CHARACTERISTICS:

- 5 (A) LENGTH: 27 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

## 10 (iii) HYPOTHETICAL: NO

## (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: RVIA/SNX-182, FIGURE 1

## 15 (ix) FEATURE:

- (A) NAME/KEY: Modified-site  
(B) LOCATION: 4  
(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

## 20 (ix) FEATURE:

- (A) NAME/KEY: Modified-site  
(B) LOCATION: 7  
(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

25

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Cys Lys Pro Xaa Gly Ser Xaa Cys Arg Val Ser Ser Tyr Asn Cys Cys  
1 5 10 15

30

Ser Ser Cys Lys Ser Tyr Asn Lys Lys Cys Gly  
20 25

## (2) INFORMATION FOR SEQ ID NO:6:

35

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 24 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

40

## (ii) MOLECULE TYPE: protein

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ent

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(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SVIA/SNX-157, FIGURE 1

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(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 7

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Cys	Arg	Ser	Ser	Gly	Ser	Xaa	Cys	Gly	Val	Thr	Ser	Ile	Cys	Cys	Gly
1				5					10					15	

Arg	Cys	Tyr	Arg	Gly	Lys	Cys	Thr
				20			

20 (2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27 amino acids

(B) TYPE: amino acid

25 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

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(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: TVIA/SNX-185, FIGURE 1

(ix) FEATURE:

35 (A) NAME/KEY: Modified-site

(B) LOCATION: 4

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

(ix) FEATURE:

40 (A) NAME/KEY: Modified-site

(B) LOCATION: 10

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

## (ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 21

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

5

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Cys Leu Ser Xaa Gly Ser Ser Cys Ser Xaa Thr Ser Tyr Asn Cys Cys  
 10 1 5 10 15

Arg Ser Cys Asn Xaa Tyr Ser Arg Lys Cys Arg  
 20 25

## 15 (2) INFORMATION FOR SEQ ID NO:8:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 26 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

20

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

25

## (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SVIB/SNX-183, FIGURE 1

## 30 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Cys Lys Leu Lys Gly Gln Ser Cys Arg Lys Thr Ser Tyr Asp Cys Cys  
 1 5 10 15

35 Ser Gly Ser Cys Gly Arg Ser Gly Lys Cys  
 20 25

## (2) INFORMATION FOR SEQ ID NO:9:

## 40 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

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cont.

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(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

5 (iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-190, FIGURE 2

10

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Cys	Lys	Gly	Ala	Gly	Ala	Lys	Cys	Ser	Arg	Leu	Met	Tyr	Asp	Cys	Cys
1				5					10					15	

15

Thr	Gly	Ser	Cys	Arg	Ser	Gly	Lys	Cys
			20				25	

(2) INFORMATION FOR SEQ ID NO:10:

20

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

25

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

30 (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-191, FIGURE 2

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

35

Cys	Ala	Gly	Ala	Gly	Ala	Lys	Cys	Ser	Arg	Leu	Met	Tyr	Asp	Cys	Cys
1				5					10					15	

Thr	Gly	Ser	Cys	Arg	Ser	Gly	Lys	Cys
			20				25	

40



## (2) INFORMATION FOR SEQ ID NO:11:

## (i) SEQUENCE CHARACTERISTICS:

- 5 (A) LENGTH: 26 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

## 10 (iii) HYPOTHETICAL: NO

## (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-193, FIGURE 2

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## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

Cys Lys Gly Ala Gly Ala Lys Cys Ser Arg Leu Met Tyr Asp Cys Cys  
1 5 10 15  
Thr Gly Ser Cys Arg Ser Gly Lys Cys Gly  
20 25

## (2) INFORMATION FOR SEQ ID NO:12:

25

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 25 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

30

## (ii) MOLECULE TYPE: protein

## (iii) HYPOTHETICAL: NO

## 35 (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-194, FIGURE 2

## (ix) FEATURE:

- (A) NAME/KEY: Modified-site  
40 (B) LOCATION: 12  
(D) OTHER INFORMATION: /note= "where X is Nle"

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

Cys Lys Gly Ala Gly Ala Lys Cys Ser Arg Leu Xaa Tyr Asp Cys Cys  
1 5 10 15

Thr Gly Ser Cys Arg Ser Gly Lys Cys  
20 25

(2) INFORMATION FOR SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-195, FIGURE 2

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

Cys Lys Gly Ala Gly Ala Lys Cys Ser Arg Leu Xaa Tyr Asp Cys Cys  
1 5 10 15

Thr Gly Ser Cys Arg Ser Gly Ala Cys  
20 25

(2) INFORMATION FOR SEQ ID NO:14:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

a'  
cont.

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-196, FIGURE 2

5 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

Asn Cys Lys Gly Ala Gly Ala Lys Cys Ser Arg Leu Xaa Tyr Asp Cys  
1 5 10 15

10 Cys Thr Gly Ser Cys Arg Ser Gly Ala Cys Gly  
20 25

(2) INFORMATION FOR SEQ ID NO:15:

15 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

20 (ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

25 (C) INDIVIDUAL ISOLATE: SNX-197, FIGURE 2

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

30 Asn Ser Cys Lys Gly Ala Gly Ala Lys Cys Ser Arg Leu Xaa Tyr Asp  
1 5 10 15

Cys Cys Thr Gly Ser Cys Arg Ser Gly Ala Cys  
20 25

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(2) INFORMATION FOR SEQ ID NO:16:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 amino acids

40 (B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

5 (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-198, FIGURE 2

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

10

Cys Lys Gly Lys Gly Ala Lys Cys Ser Arg Leu Met Tyr Asp Cys Cys  
1 5 10 15

15 Thr Gly Ser Cys Ala Ser Gly Lys Cys  
20 25

(2) INFORMATION FOR SEQ ID NO:17:

(i) SEQUENCE CHARACTERISTICS:

20

(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

25

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-200, FIGURE 2

30

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:

35 Cys Lys Gly Ala Gly Ala Ala Cys Ser Arg Leu Met Tyr Asp Cys Cys  
1 5 10 15

Thr Gly Ser Cys Arg Ser Gly Lys Cys  
20 25

40 (2) INFORMATION FOR SEQ ID NO:18:

(i) SEQUENCE CHARACTERISTICS:

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(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

5 (ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

10 (C) INDIVIDUAL ISOLATE: SNX-201, FIGURE 2

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:

15 Cys Lys Gly Lys Gly Ala Lys Cys Arg Lys Thr Ser Tyr Asp Cys Cys  
1 5 10 15

Thr Gly Ser Cys Arg Ser Gly Lys Cys  
20 25

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(2) INFORMATION FOR SEQ ID NO:19:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 26 amino acids

25 (B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

30 (iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-202, FIGURE 2

35

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

Cys Lys Leu Lys Gly Gln Ser Cys Ser Arg Leu Met Tyr Asp Cys Cys  
1 5 10 15

40

Ser Gly Ser Cys Gly Arg Ser Gly Lys Cys  
20 25

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cont.

## (2) INFORMATION FOR SEQ ID NO:20:

## (i) SEQUENCE CHARACTERISTICS:

- 5 (A) LENGTH: 27 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

## 10 (iii) HYPOTHETICAL: NO

## (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-207, FIGURE 2

## 15 (ix) FEATURE:

- (A) NAME/KEY: Modified-site  
(B) LOCATION: 4  
(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

## 20 (ix) FEATURE:

- (A) NAME/KEY: Modified-site  
(B) LOCATION: 21  
(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

25

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

Cys Leu Ser Xaa Gly Ser Ser Cys Ser Arg Leu Met Tyr Asn Cys Cys  
1 5 10 15

30

Arg Ser Cys Asn Xaa Tyr Ser Arg Lys Cys Arg  
20 25

## (2) INFORMATION FOR SEQ ID NO:21:

35

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 26 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

40

## (ii) MOLECULE TYPE: protein

a'  
cont.

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-231, FIGURE 2

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(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 7

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

10

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:

15 Cys Lys Gly Lys Gly Ala Xaa Cys Arg Lys Thr Met Tyr Asp Cys Cys  
1 5 10 15

Ser Gly Ser Cys Gly Arg Arg Gly Lys Cys  
20 25

20 (2) INFORMATION FOR SEQ ID NO:22:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 6 amino acids

(B) TYPE: amino acid

25 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

30

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: CONOPEPTIDE GROUP 1 FRAGMENT

35 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:

Cys Lys Gly Lys Gly Ala  
1 5

40 (2) INFORMATION FOR SEQ ID NO:23:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

5 (ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

10 (C) INDIVIDUAL ISOLATE: CONOPEPTIDE GROUP 1 FRAGMENT

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:

15 Cys

1

(2) INFORMATION FOR SEQ ID NO:24:

20 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

25 (ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

30 (C) INDIVIDUAL ISOLATE: CONOPEPTIDE GROUP 1 FRAGMENT

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:

35 Tyr Asp Cys Cys Thr Gly Ser Cys

1

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(2) INFORMATION FOR SEQ ID NO:25:

40 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1 amino acids

(B) TYPE: amino acid

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(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

5 (iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: CONOPEPTIDE GROUP 1 FRAGMENT

10

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:

Arg

1

15

(2) INFORMATION FOR SEQ ID NO:26:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 3 amino acids

20

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

25

(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: CONOPEPTIDE GROUP 1 FRAGMENT

30

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:

Gly Lys Cys

1

35

(2) INFORMATION FOR SEQ ID NO:27:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9 amino acids

40

(B) TYPE: amino acid

(D) TOPOLOGY: linear

a'  
cont.

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

5 (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: CONOPEPTIDE GROUP 2 FRAGMENT

(ix) FEATURE:

(A) NAME/KEY: Modified-site

10 (B) LOCATION: 4

(D) OTHER INFORMATION: /note= "where X is hydroxyproline"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:

15

Cys Leu Ser Xaa Gly Ser Ser Cys Ser  
1 5

(2) INFORMATION FOR SEQ ID NO:28:

20

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 8 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

25

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

30 (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: CONOPEPTIDE GROUP 2 FRAGMENT

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:

35

Tyr Asn Cys Cys Arg Ser Cys Asn  
1 5

(2) INFORMATION FOR SEQ ID NO:29:

40

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 26 amino acids

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(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

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(iii) HYPOTHETICAL: NO

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-230, FIGURE 1

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:29:

15 Cys Lys Gly Lys Gly Ala Pro Cys Arg Lys Thr Met Tyr Asp Cys Cys  
1 5 10 15

Ser Gly Ser Cys Gly Arg Arg Gly Lys Cys  
20 25

20 (2) INFORMATION FOR SEQ ID NO:30:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27 amino acids

(B) TYPE: amino acid

25

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

30

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-236, FIGURE 2

35

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:30:

Cys Leu Ser Xaa Gly Ser Ser Cys Ser Arg Leu Met Tyr Asn Cys Cys  
1 5 10 15

40

Arg Ser Cys Asn Pro Tyr Ser Arg Lys Cys Arg  
20 25

## (2) INFORMATION FOR SEQ ID NO:31:

## (i) SEQUENCE CHARACTERISTICS:

- 5 (A) LENGTH: 6 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

## 10 (iii) HYPOTHETICAL: NO

## (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: CONOPEPTIDE GROUP 2 FRAGMENT

15

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:31:

Tyr Ser Arg Lys Cys Arg  
1 5

20

## (2) INFORMATION FOR SEQ ID NO:32:

## (i) SEQUENCE CHARACTERISTICS:

- 25 (A) LENGTH: 25 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

30

## (iii) HYPOTHETICAL: NO

## (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-239, FIGURE 2

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## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:

Cys Lys Gly Lys Gly Ala Lys Cys Ser Leu Leu Met Tyr Asp Cys Cys  
 1 5 10 15

5

Thr Gly Ser Cys Arg Ser Gly Lys Cys  
 20 25

## (2) INFORMATION FOR SEQ ID NO:33:

10

- (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 25 amino acids  
 (B) TYPE: amino acid  
 (D) TOPOLOGY: linear

15

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

20

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-199, FIGURE 2

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:

25

Cys Lys Gly Lys Gly Ala Lys Cys Ser Ala Leu Met Tyr Asp Cys Cys  
 1 5 10 15

30

Thr Gly Ser Cys Arg Ser Gly Lys Cys  
 20 25

## (2) INFORMATION FOR SEQ ID NO:34:

35

- (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 25 amino acids  
 (B) TYPE: amino acid  
 (D) TOPOLOGY: linear

40

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

## (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX 240, FIGURE 2

## (ix) FEATURE:

5

(A) NAME/KEY: Modified-site

(B) LOCATION: 1

(D) OTHER INFORMATION: /note= "The cysteine residue  
carries an acetyl group"

10

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:

Cys	Lys	Gly	Lys	Gly	Ala	Lys	Cys	Ser	Leu	Leu	Met	Tyr	Asp	Cys	Cys
1				5					10					15	

15

Thr	Gly	Ser	Cys	Arg	Ser	Gly	Lys	Cys
			20				25	

## (2) INFORMATION FOR SEQ ID NO:35:

20

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

25

## (ii) MOLECULE TYPE: peptide

## (iii) HYPOTHETICAL: NO

30

## (vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-273, FIGURE 2

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:35:

35

Cys	Lys	Gly	Lys	Gly	Ala	Lys	Cys	Ser	Arg	Leu	Ala	Tyr	Asp	Cys	Cys
1				5					10					15	

Thr	Gly	Ser	Cys	Arg	Ser	Gly	Lys	Cys
			20				25	

40

## (2) INFORMATION FOR SEQ ID NO:36:

60sxxiii

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

5

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

10

(vi) ORIGINAL SOURCE:

(C) INDIVIDUAL ISOLATE: SNX-279, FIGURE 2

(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 12

(D) OTHER INFORMATION: /note= "where X is sulfoxy-methionine"

15

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:36:

20

Cys Lys Gly Lys Gly Ala Lys Cys Ser Arg Leu Xaa Tyr Asp Cys Cys

1

5

10

15

Thr Gly Ser Cys Arg Ser Gly Lys Cys

20

25

a'  
cond.